
SETUP INSTRUCTIONS

CF2001P

Printer



WARNING

- *Do not plug in the power cord or turn on this unit until you are instructed to according to this manual.*



CAUTION

- *Install this machine so that it can quickly be unplugged from the electrical outlet in case of an emergency. The socket-outlet shall be installed near the machine and shall be easily accessible.*
- *Keep all packing materials out of the reach of children.*

NOTE

- *If the CF2001P is connected to the Minolta MicroPress Cluster Printing System, be sure to take back the User Manual for the CF2001P, since it is not needed by the customer.*
 - *Keep all packing materials in a safe place for later use in case they are needed for transportation.*
-

CF2001P

1. Outline of the CF2001P System Setup

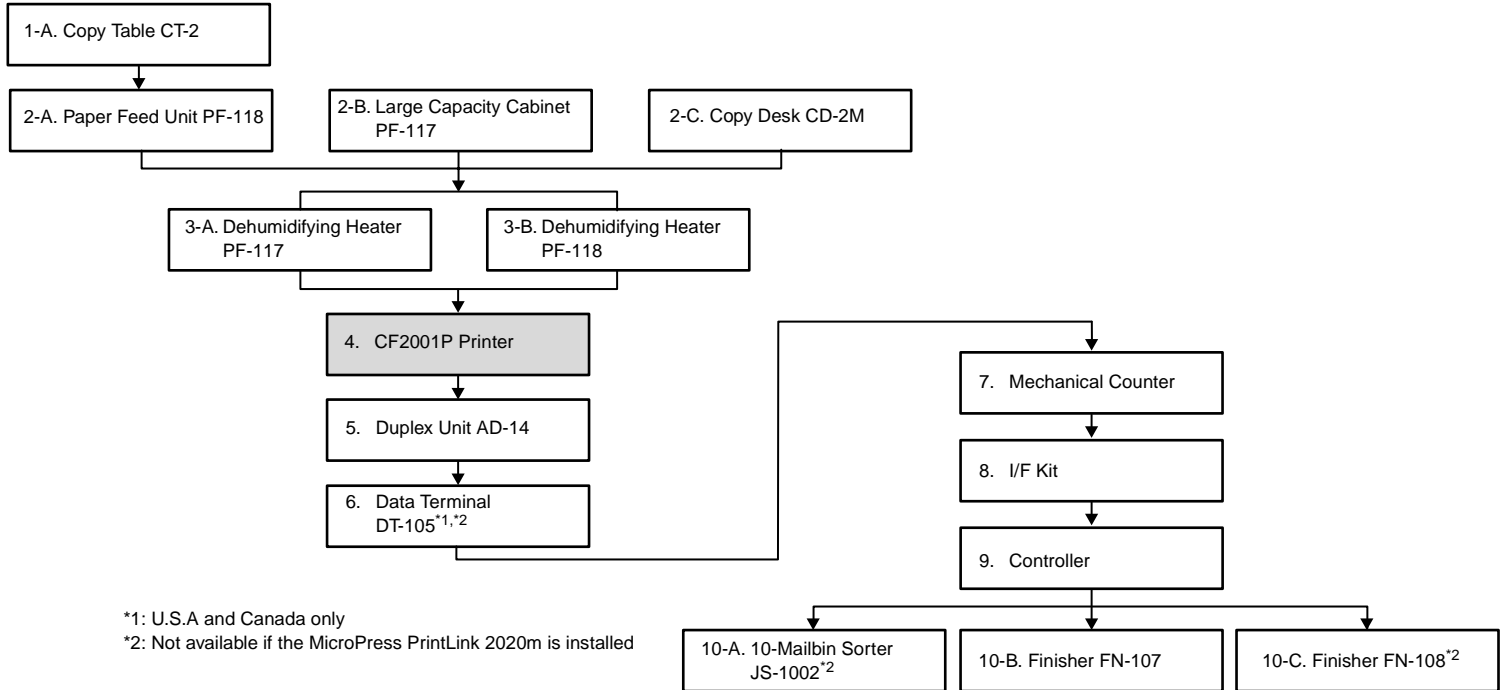
NOTE

- Install and setup each option according to the instructions included with the option.
- For information on adjusting each option, refer to the section "10. Adjusting the Options" on page 29.

When setting up the system consisting of this unit and its options, set up each unit in the order shown below.

NOTE

Set up each unit correctly according to its SETUP INSTRUCTIONS.



*1: U.S.A and Canada only

*2: Not available if the MicroPress PrintLink 2020m is installed

2. Unpacking

■ Unpacking the Accessories

1. Remove the accessories from the box, and then check that the following are enclosed.

(1) Imaging units	4
(2) Power cord *1	1
(3) LED cleaning tool *2	1
(4) LED cleaning paper *2	1
(5) Manual holder	1
(6) User Manual	1
(7) Setup Instructions	1
(8) Warranty card *3	1
(9) Power cord instruction *1	1
(10) Paper size label	1
(11) Cable clamp	1
(12) Support label	1
(13) Additional information (Storing the LED cleaning tool)	1

*1 For Particular area only.

*2 The LED cleaning tool and its paper are not used during setup. Since they will be needed when the imaging unit is changed or the printer is cleaned, keep them in a safe place for later use.

*3 U.S.A. and Canada only.

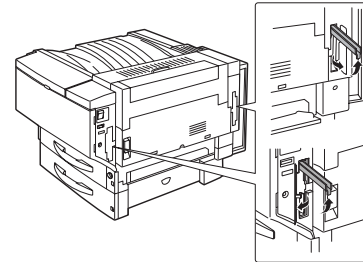
■ Unpacking the Printer

1. Open the printer box, and then remove the box containing the imaging unit.

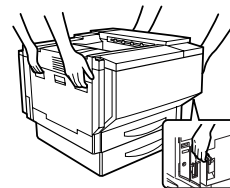
NOTE

Remove the box containing the imaging unit before removing the box from around the printer.

2. Remove the box from around the printer.
3. Remove the printer from the plastic bag.
4. Open the two handle covers, and then pull out the handles.



C4004U003AA



C4004U004AA

5. Grasp the two handles on the right side of the printer and the two grips on the left (as shown in the illustration), and then, while keeping the printer level, remove it from its box.

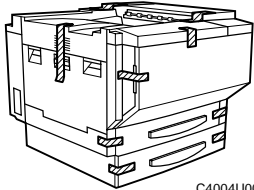
NOTE

The printer weighs about 77 kg (169-3/4 lbs.). The printer must be lifted by at least two people. When lifting the printer, be careful not to strain your back.

6. Carefully place the printer on a level and sturdy surface, such as a table.

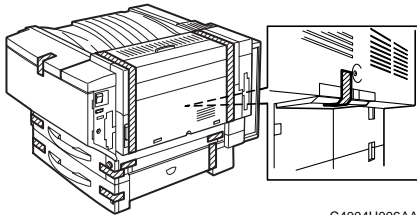
■ Removing the Protective Tape and Packing Materials

<Outside Surface of the Printer>



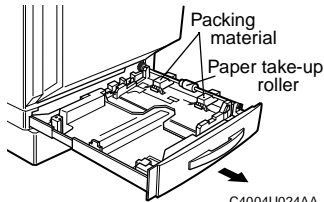
C4004U005AA

Remove the tape affixed to the outside surface of the printer.



C4004U006AA

<Paper Feed Section>



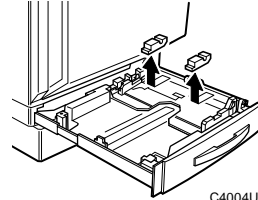
C4004U024AA

1. Pull out the paper drawer for Tray 1.

NOTE

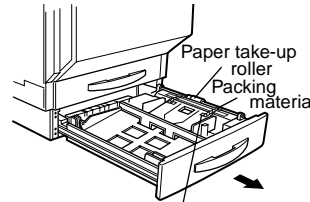
Be careful not to touch the surface of the paper take-up roller with your hands. If the roller has been touched, wipe it with a dry cloth.

2. Remove the 2 pieces of tape shown in the illustration from the paper-lifting plate.



C4004U145AA

3. Remove the 2 pieces of packing material from the paper-lifting plate.



C4004U026AB

4. Close the paper drawer.
5. Pull out the paper drawer for Tray 2.

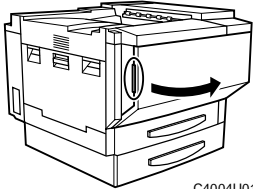
NOTE

Be careful not to touch the surface of the paper take-up roller with your hands. If the roller has been touched, wipe it with a dry cloth.

6. Remove the 3 pieces of tape affixed to the paper-lifting plate as shown.
7. Remove the packing material from the paper-lifting plate.
8. Close the paper drawer.

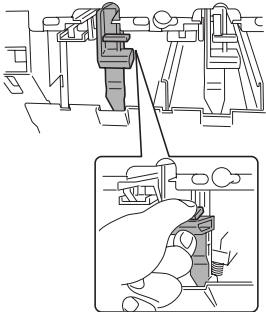
3. Installing the Units

■ Installing the Imaging Units



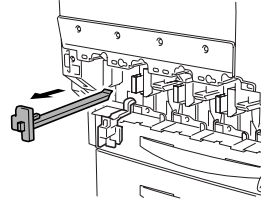
C4004U011AA

1. Grasp the handle of the front door, and then carefully swing the door open to the right as shown.



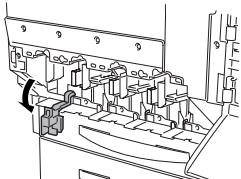
C4004U047AA

2. Pinch the release lever for the yellow imaging unit. (The colors of the imaging units are, from the left, yellow, magenta, cyan, and black.)



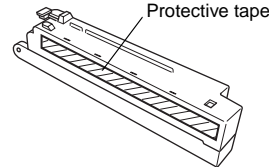
C4004U144AA

3. Swing the release lever toward you.



C4004U048AA

4. Remove the packing material from the imaging unit slot.



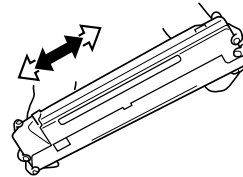
C4004U049AB

5. Remove the yellow imaging unit from its box and its protective plastic bag, and then place the imaging unit on a stable, level surface, such as a table.

NOTE

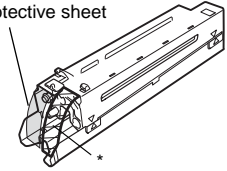
- The imaging unit can easily be damaged by light. Therefore, leave the imaging unit in its protective plastic bag until immediately before it is to be installed.
- After removing the imaging unit from its protective plastic bag, make sure that it is not exposed to light, and immediately install it into the printer.

6. Hold the imaging unit in both hands, tilt it to the left, and then lightly shake it twice in the direction of the tilt. Next, hold the unit tilted to the right, and then lightly shake it twice in the direction of the tilt.



C4660U001AB

Protective sheet



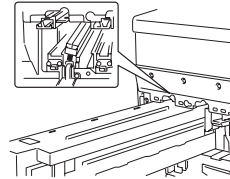
C4004U193AA

- Remove the protective tape from the imaging unit.

NOTE

The clear plastic protective sheet is not packing material; therefore, do not remove it.

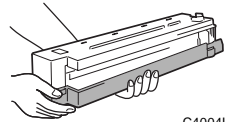
- * The additional protective sheet, indicated by the shaded area, is only attached to the black imaging unit.



C4004U052AB

NOTE

Be sure to insert the imaging unit until the end of the bottom imaging unit cover contacts the back of the imaging unit compartment.

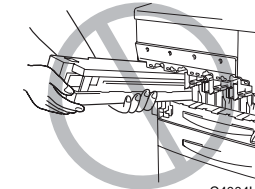


C4004U215AB

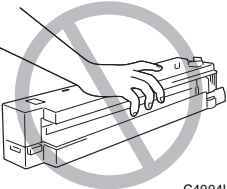
- Keeping the imaging unit level, pick it up by supporting it on the bottom with your left hand and on the bottom at the front with your right hand.

NOTE

When holding the imaging unit, be sure to hold it by its bottom cover. If the top imaging unit cover is held, it may fall off or the PC drum installed on the imaging unit may become damaged, resulting in decreased image quality.

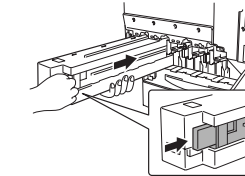


C4004U217AB



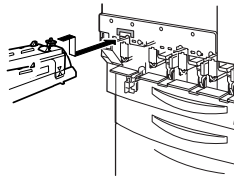
C4004U216AB

- Keeping the imaging unit level, insert the imaging unit as far as possible into the imaging unit compartment. Insert the imaging unit with the protective sheet(s) attached.

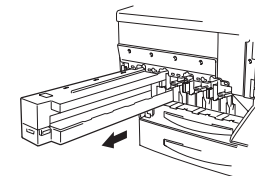


C4004U053AB

- While keeping the bottom of the imaging unit supported with your left hand, carefully insert the imaging unit with your right hand, as shown, until the cartridge snaps into place.

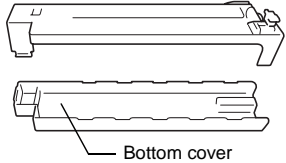


C4004U051AC



C4004U054AB

- Pull out the empty imaging unit cover. The empty imaging unit cover for the black imaging unit can simply be pulled out, even if the protective sheets on the imaging unit become caught on the toner hopper lid.



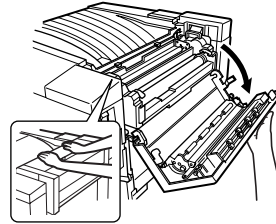
C4004U055AA

12. Separate the top and bottom halves of the empty imaging unit cover.

NOTE

Since the bottom half of the imaging unit cover will be used when the imaging unit is replaced again, store it in a safe place.

■ Installing the Oil-Coating Unit

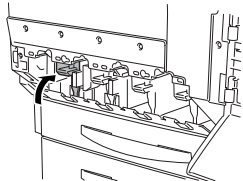


C4004U173AA

1. Grasp the upper right-side door as shown, and then carefully open the door completely while making sure to support it.

NOTE

Be sure to support the upper right-side door while carefully opening it; otherwise, it may become damaged.

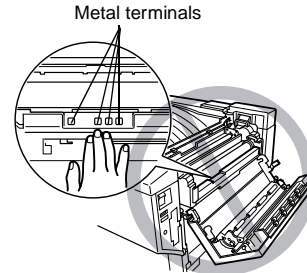


C4004U056AA

13. Carefully swing the release lever back up to its original position, pushing it in until it locks into place.

NOTE

If the release levers are not correctly positioned, the front door cannot be closed.



C4004U149AB

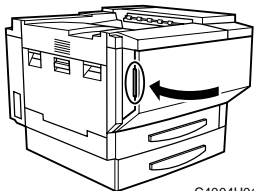
NOTE

Do not touch the metal terminals at the front of the fusing unit; otherwise, damage may occur due to static electricity.

14. Remove the packing materials from the remaining imaging unit slots, and then install the magenta, cyan, and black imaging units in the same way described in steps 2 through 13.

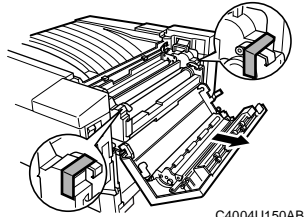
NOTE

Be sure to install the imaging units in their correct slots.



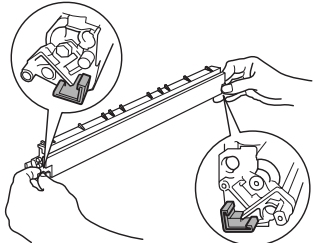
C4004U013AA

15. After all four imaging units have been installed, grasp the handle of the front door, and then carefully swing the door closed as shown.



C4004U150AB

- Remove the two pieces of tape from the lock levers of the oil-coating unit shown.

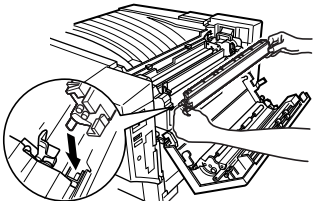


C4004U151AA

- Remove the oil-coating unit from its box.

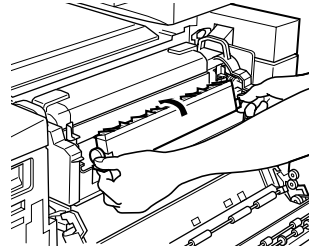
NOTE

When picking up the oil-coating unit, pick it up by the two handles (one on each end of the unit) with both hands.



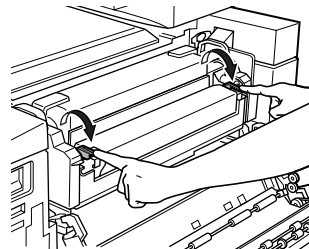
C4004U152AB

- Insert the oil-coating unit, making sure that the two pins (one on each end of the unit) fit into the notches in the printer.



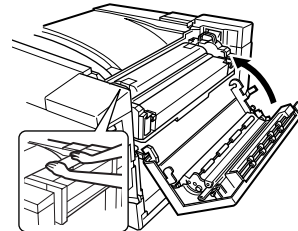
C4004O153AA

- Swing the oil-coating unit up to install it.



C4004O154AA

- Secure the oil-coating unit by moving the two lock levers (one on each end of the unit) toward you.



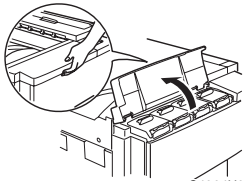
C4004U174AA

- Grasp the upper right-side door as shown, and then carefully close it.

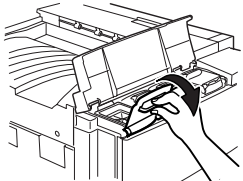
■ Filling the Toner

NOTE

- The toner bottles are not included. A bottle of toner is needed for each color (four in total) and should be purchased separately.
- Be careful not to spill toner inside the printer or get toner on your clothes and hands. If toner gets on your hands, wash them using water and a neutral soap. If toner gets in your eyes, immediately rinse them, and then consult a medical professional.



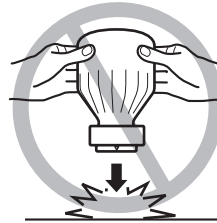
C4004U058AA



C4004U059AA

1. Grasp the toner hopper door as shown, and then carefully swing the door up to open it.

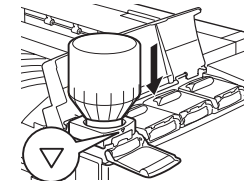
2. Open the yellow toner hopper lid (leftmost) by swinging it toward you. (The toner hopper lids are, from the left, yellow, magenta, cyan, and black.)



C4004U010AA



C4004U060AA



C4004U061AA

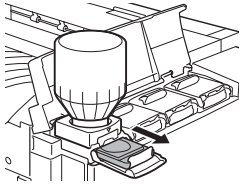
3. Remove the yellow toner bottle from its packaging. Hit the bottom of the bottle against a strong surface, such as a desk or table, four or five times from a height of about 10 cm (4 in.). (Since the toner within the bottle may have become compacted, be sure to break it up by performing this step.)

NOTE

Be sure to hit the bottom of the toner bottle against the strong surface (the opening of the bottle should be pointing up).

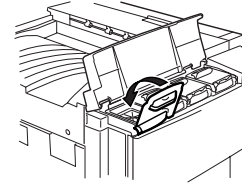
4. While holding the bottle securely, shake it well in all directions to mix up the toner.

5. With the rounded side (marked with "▼") of the bottle mouth facing towards you, place the toner bottle on top of the hopper, and then press down on the bottle until it snaps into place.



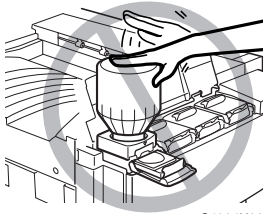
C4004U062AA

6. Fully pull the toner hopper shutter out toward you. Pulling out the toner hopper shutter allows the toner to begin filling the toner hopper. Check that all of the toner has emptied out of the toner bottle and into the hopper, which may take a while.



C4004U066AA

9. Carefully close the yellow toner hopper lid.



C4004U063AA

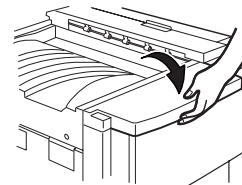
NOTE

Do not tap on the toner bottle while refilling the hopper; otherwise, the toner may spurt out.

10. Fill the magenta, cyan, and black toner in the same way (as described in steps 2 through 9).

NOTE

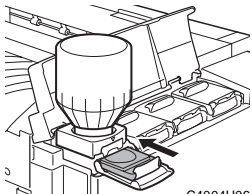
Be sure to fill the toner hoppers with the correct color of toner.



C4004U067AA

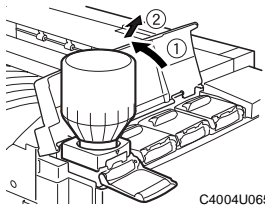
7. Push the toner hopper shutter closed until it snaps into place and closes the bottle.

11. After all four toner hoppers are filled, grasp the toner supply door as shown, and then carefully swing the door down to close it.



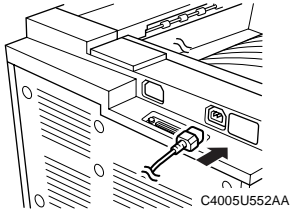
C4004U064AA

8. Tilt the toner bottle slightly backward, and then pull the opening of the bottle up and toward you to remove it.

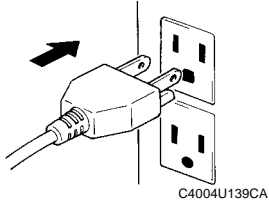


C4004U065AB

4. Connecting the Cables

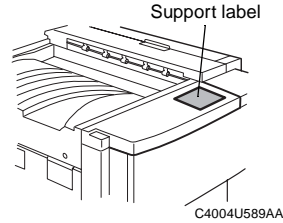


1. Make sure that the printer power cord is not plugged into the electrical outlet, and then insert the plug on the end of the power cord into the power cord connector on the printer.



2. Insert the plug on the other end of the power cord into an electrical outlet.

5. Affixing the Support Label

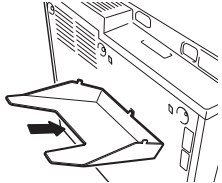


Affix the support label on the right side of the top of the toner supply door.

NOTE

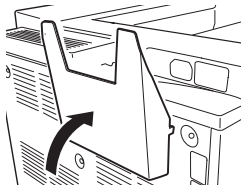
Affix the label that corresponds with the installed options.

6. Installing the Manual Holder



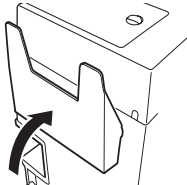
C4004U553AA

1. Insert the tab on the bottom of the manual holder into the slot in the printer as shown in the illustration.



C4004U554AA

2. Insert the tabs on the left and right sides of the manual holder into the corresponding slots in the printer.



C4004U098AA

NOTE

If the optional finisher is used, attach the manual holder to the back of the finisher at the position shown, using the same procedure described above.

7. Checking the Operation of the Printer

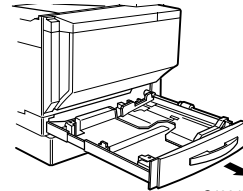
NOTE

Before adjusting the printer, be sure to install the interface kit and the controller. For more details on their installation, refer to their manuals.

Loading Test Paper

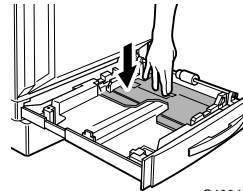
Load test paper specifically for use with X-Rite calibration.

1. Prepare A4-size (or Letter-size) plain paper.
2. Pull out the paper drawer for Tray 1.



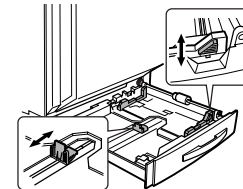
C4004U071AA

3. Press down on the paper-lifting plate until it locks into place.



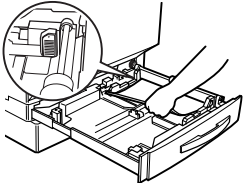
C4004U072AA

4. Slide the adjustable paper guides to the A4(C) (or Letter(C)) paper size.



C4004U073AA

CF2001P



C4004U074AA

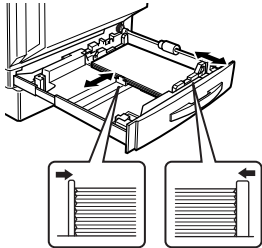
5. Load the prepared A4(C)-size (or Letter(C)-size) plain paper into the paper drawer.

■ Setting Up the Servicing Equipment

Set up the equipment in order to print a test pattern and make the necessary adjustments.

NOTE

Do not turn on any equipment until you are instructed to do so.

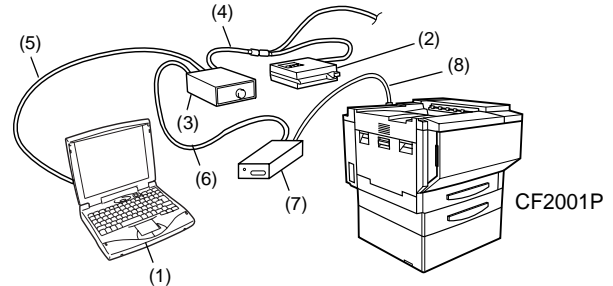


C4004U170AA

6. Slide the adjustable paper guides against the edges of the paper.

NOTE

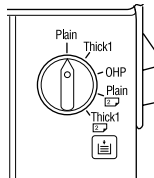
Check that the adjustable paper guides are pushed up against the edges of the paper.



7. Close the paper drawer.
8. Make sure that the media type selection dial on the drawer is turned to the setting for plain paper.
9. From the control panel, select the size of the test paper loaded into Tray 1.

NOTE

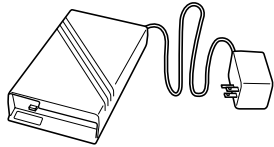
For details on specifying settings, refer to the User Manual.



C4004U075CA

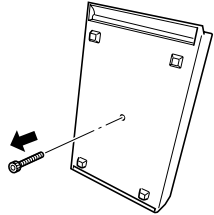
- (1) Notebook PC
Starts the External Panel Controller for adjustment.
- (2) X-Rite (DTP32)
Color Tone Tester
- (3) Selector
Switches between the Notebook PC and the X-Rite, CF2001P
- (4) DTP32 cable
Connects between the X-Rite and the connector A of the selector
- (5) RS232 straight cable
Connects between COM1 port of the Notebook PC and the connector C of the selector
- (6) RS232 straight cable
Connects between the converter and the connector B of the selector
- (7) Converter
Converts the RS422 connector to the RS232 connector
- (8) IR Port cable
Connects between the CF2001P and the converter

■ Setting Up the Converter (7)



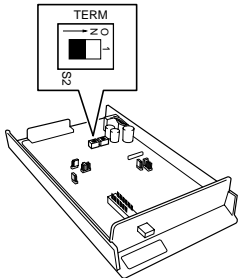
C4004U556AA

1. Remove the converter from its box.



C4004U557AA

2. Remove the screw at the bottom of the converter, and then remove the upper cover.



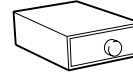
C4004U558AA

3. Set the TERM switch (S2) to ON as shown in the illustration.

NOTE

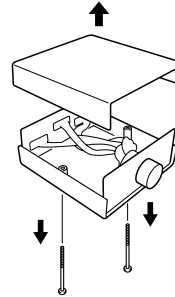
- Set the button on the converter to "Normal".
- In order to reduce the risk of damage to the circuit board due to static electricity, do not touch the circuit board pattern.
- **Do not change the setting of any switches other than those specified.**

■ Setting Up the Selector (3)



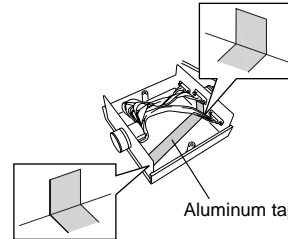
C4004U601AA

1. Remove the selector from its box.



C4004U602AA

2. Remove the two screws from the selector, and then remove the upper cover.

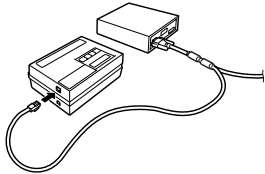


Aluminum tape

C4004U603AA

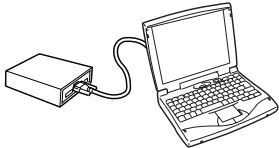
3. Affix aluminum tape to the converter as shown in the illustration.

■ Connecting the Equipment Cables



C4004U559AA

1. Insert a connector on the DTP32 cable (4) into the I/O port on the side of the X-Rite, and then insert the other connector of the cable into port B on the selector.

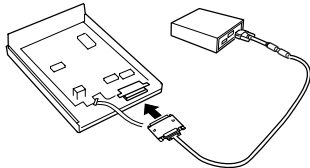


C4004U560AA

2. Using the RS232 straight cable (5), connect the COM 1 port of the computer to port C on the selector.

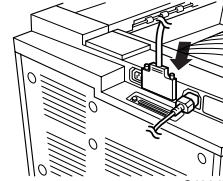
NOTE

Make sure that the RS232 straight cable is connected to the COM 1 port of the computer.



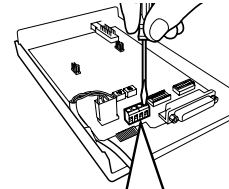
C4004U561AA

3. Using RS232 straight cable (6), connect DB25 of the converter to port A of the selector.



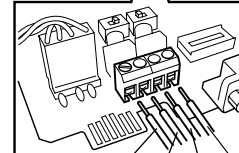
C4004U562AA

4. Connect the IR port cable (8) to the printer.



5. Using a common screwdriver, tighten the four screws shown in the illustration, and then connect the harnesses of the IR port cable to the terminals on the converter.

TXA terminal: brown harness
 TXB terminal: red harness
 RXA terminal: orange harness
 RXB terminal: blue harness

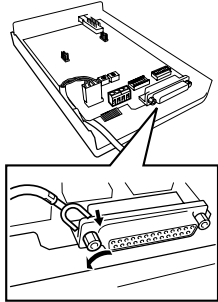


Brown Red Orange Blue

C4004U563AA

NOTE

Be sure to connect the harnesses of the IR port cable to the specified terminals.



C4004U604AA

- Loosen the screw of the terminal, and then attach the ground wire as shown.

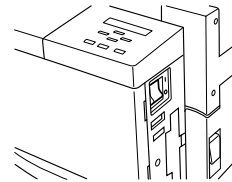
- Attach the upper cover of the converter.
- Plug the power cable of the converter into an electrical outlet.
- Plug the power cable of the X-Rite into an electrical outlet.

■ X-Rite Calibration

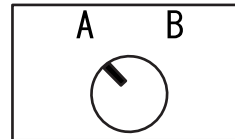
NOTE

- Start up the External Panel Controller on the Notebook PC before turning on the printer.
- If an error message appears, follow the instructions described in the message.
- Do not quit the External Panel Controller while it is being used. If it is quit- ted, restart the printer and the External Panel Controller.

- Start up the External Panel Controller on the Notebook PC.
- Set the power switch to "I".



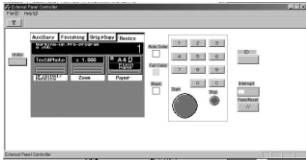
C4004U564AA



C4004U598AA

- Make sure that the selector knob is set to "A".

CF2001P

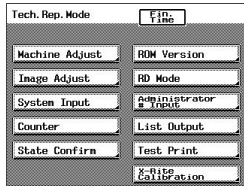


C4004P565CA

- Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)

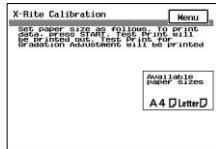
NOTE

If the basic screen does not appear in the External Panel Controller, turn the printer off. Restart the External Panel Controller, and then turn the printer on again.

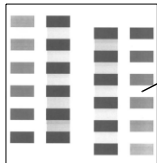


C4004P597CA

- Click [X-Rite Calibration] in the Tech. Rep. Mode screen.



C4004P567CA



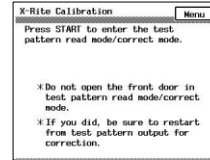
Test patterns

C4004U568AA

- Check the message that appears, and then click the Start key in the External Panel Controller. Test patterns are printed for the four colors. (Cyan, Magenta, Yellow, Black)

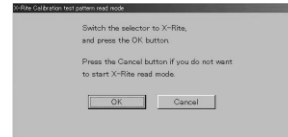
NOTE

- Since it may take some time to output the test patterns (about 2 minutes), wait until printing is finished.
- During printing, do not open the front door. If the front door is opened, restart the procedure from step 1.

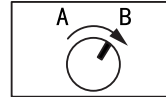


C4004P569CA

- After the test patterns are printed, check that the message appears, and then click the Start key in the External Panel Controller.

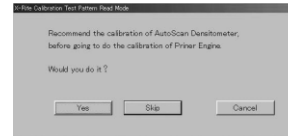


C4004P570CA



C4004U571AA

- Check that the dialog box appears, set the selector knob to "B", and then click [OK] in the dialog box.



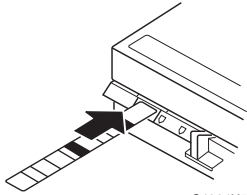
C4004P572CA

- Check that the dialog box appears, and then click [Yes] in the dialog box.



C4004P573CA

- When the dialog box appears, the auto-cal strip can be read. Prepare the auto-cal strip.

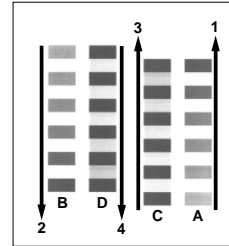


C4004U574AA

11. Insert the auto-cal strip into the X-Rite.

NOTE

Insert the auto-cal strip after "INSERT CAL STRIP" appears on the X-Rite display.

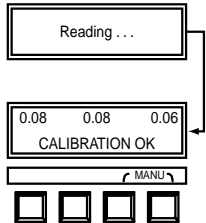


C4004U576AA

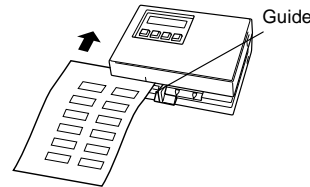
13. Prepare the cyan test pattern, set the X-Rite guide to "10", and then feed the pattern in direction "1", and then feed the pattern in direction "4" to read the row represented by "A".

Align the test pattern with the guide, and insert the pattern into the X-Rite.

* The arrows indicate the direction that the pattern should be fed into the X-Rite.



C4004U594CA

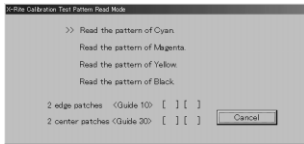


C4004U577AA

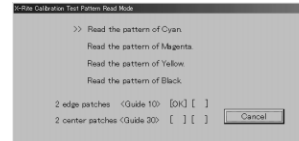
12. Check that the dialog box appears.

NOTE

The dialog box appears if the auto-cal strip was read correctly.



C4004P575CA

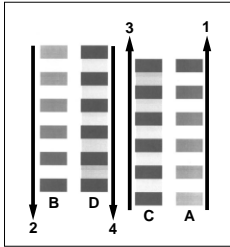


C4004P578CA

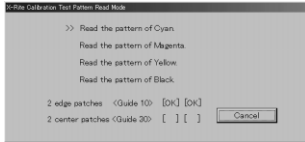
14. Check that the area indicated in the dialog box appears in [OK].

NOTE

The area indicated appears in [OK] if the pattern was read correctly.



C4004U576AA



C4004P579CA

15. Feed the test pattern in direction "2" to read the row represented by "B".
When feeding the test pattern to read the row represented by "B", turn the paper to feed it in the correct direction without adjusting the X-Rite guide.

NOTE

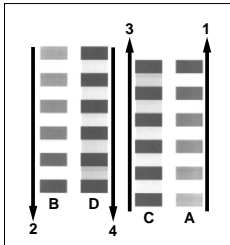
When reading the row in the test pattern represented by "B", do not change the setting of the X-Rite guide.

16. Check that the area indicated in the dialog box appears in [OK].

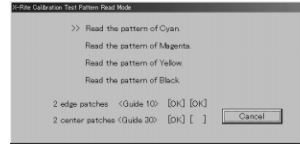
NOTE

The area indicated appears in [OK] if the pattern was read correctly.

17. Turn the cyan test pattern to its original orientation, set the X-Rite guide to "30", and then feed the pattern in direction "3" to read the row represented by "C".



C4004U576AA

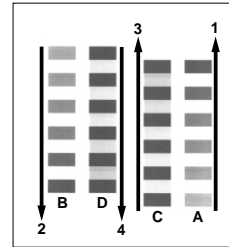


C4004P580CA

18. Check that the area indicated in the dialog box appears in [OK].

NOTE

The area indicated appears in [OK] if the pattern was read correctly.



C4004U576AA

19. Feed the test pattern in direction "4" to read the row represented by "D".
When feeding the test pattern to read the row represented by squares, turn the paper to feed it in the correct direction without adjusting the X-Rite guide.

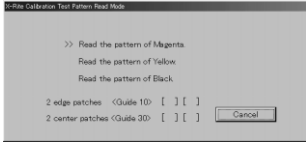
NOTE

When reading the row in the test pattern represented by "D", do not change the setting of the X-Rite guide.

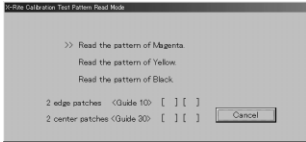
20. Check that the area indicated in the dialog box appears in [OK].

NOTE

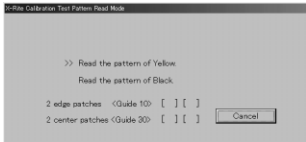
The area indicated appears in [OK] if the pattern was read correctly.



C4004P582CA



C4004P590CA



C4004P591CA

21. Check that "Read the Pattern of Cyan" disappears, and that >> appears beside "Read the Pattern of Magenta".

NOTE

If the cyan test pattern is read correctly, "Read the Pattern of Cyan" disappears from the dialog box.

22. Prepare the magenta test pattern, and then repeat steps 13 through 21 of the above procedure to read the magenta test pattern with the X-Rite.

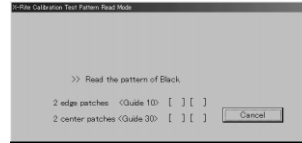
NOTE

If the magenta test pattern is read correctly, "Read the Pattern of Magenta" disappears from the dialog box.

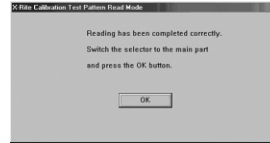
23. Prepare the yellow test pattern, and then repeat steps 13 through 21 of the above procedure to read the yellow test pattern with the X-Rite.

NOTE

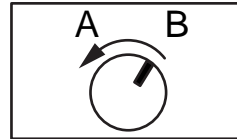
If the yellow test pattern is read correctly, "Read the Pattern of Yellow" disappears from the dialog box.



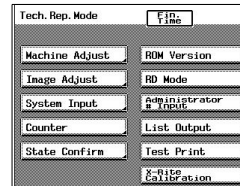
C4004P592CA



C4004P595CA



C4004U593AA



C4004P597CA

24. Prepare the black test pattern, and then repeat steps 13 through 21 of the above procedure to read the black test pattern with the X-Rite.

25. Check that the dialog box appears, set the selector knob on the selector from "B" to "A", and then click [OK] in the dialog box.

NOTE

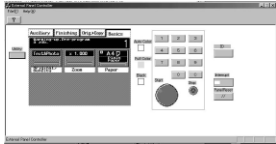
Be sure to click [OK] only after the selector knob has been set.

26. Check that the Tech. Rep. Mode screen is displayed.

27. Click [Fin. Time].

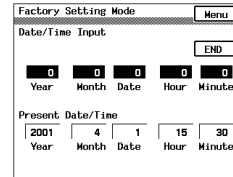
8. Making System Setting

■ Checking the Date Setting



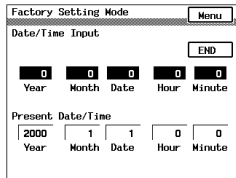
C4004P565CA

1. Check that the External Panel Controller appears in the computer screen, and then display the Date/Time Input screen. (For details about displaying the Date/Time Input screen, refer to the Service Manual.)



C4004PU09CA

3. Click [END].

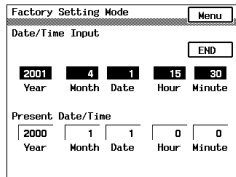


C4004PU07CA

2. Check that the current date and time settings are correct. If the settings are not correct, use the keypad in the External Panel Controller to enter the correct date and time in the upper row of the screen.

Example)

To specify April 1, 2001 15:30, click:
[2], [0], [0], [1], [0], [4], [0], [1], [1], [5], [3], [0]



C4004PU08CA

4. Click [Menu].

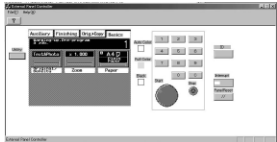
5. Check that the Basic screen appears on the External Panel Controller.

■ Specifying the Serial Number

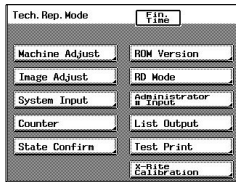
NOTE

Be sure to specify the serial number.

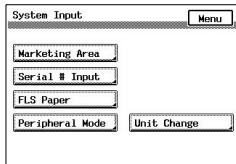
When the serial number is specified, the settings for each unit can be read by the printer. If the serial number is not specified, a correctly adjusted image cannot be printed.



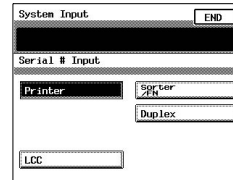
C4004P565CA



C4004P597CA



C4004P584CA



C4004P585CA

1. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)
2. Click [System Input].
3. Click [Serial # Input].

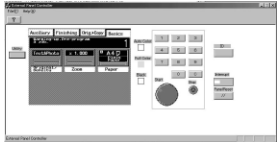
4. Make sure that [Printer] is selected. Using the keypad in the External Panel Controller, enter the printer's serial number. Repeat this step to enter the serial numbers for [LCC], [Sorter/FN], and [Duplex].

5. Click [END].
6. Click [Menu], and then click [Fin. Time].

■ Specifying Who Performs Replacements

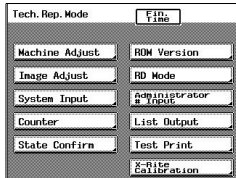
NOTE

The message that appears a unit must be replaced can be changed to indicate that either the user or the service representative must perform the replacement. Select the appropriate settings depending on the type of servicing being performed.



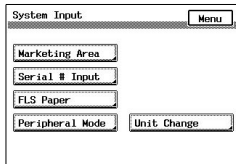
C4004P565CA

1. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)



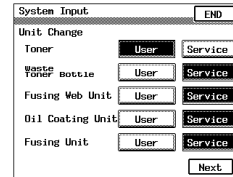
C4004P597CA

2. Click [System Input].



C4004P584CA

3. Click [Unit Change].



C4004PU02CA

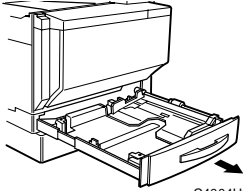
4. Click [User] or [Service] to select whether each unit should be replaced by the user or the service representative.

5. Click [END].

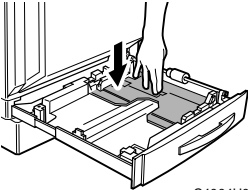
6. Click [Menu], and then click [Fin. Time].

■ Printing the List

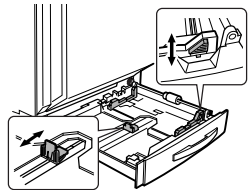
1. Prepare A4-size (or Letter-size) plain paper.
2. Pull out the paper drawer for Tray 1.



C4004U071AA

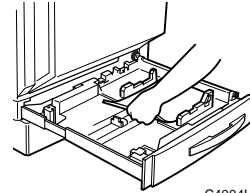


C4004U072AA

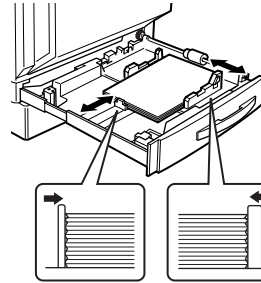


C4004U073AA

3. Press down on the paper-lifting plate until it locks into place.
4. Slide the adjustable paper guides to the A4(L) (or Letter(L)) paper size.



C4004U087AA



C4004U172AA

5. Load the prepared A4(L)-size (or Letter(L)-size) plain paper into the paper drawer.
6. Slide the adjustable paper guides against the edges of the paper.

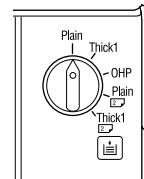
NOTE

Check that the adjustable paper guides are pushed up against the edges of the paper.

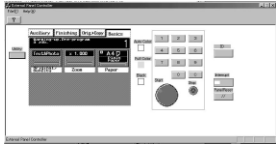
7. Close the paper drawer.
8. Make sure that the media type selection dial on the drawer is turned to the setting for plain paper.
9. From the control panel, select the size of the paper loaded into Tray 1.

NOTE

For details on specifying settings, refer to the User Manual.

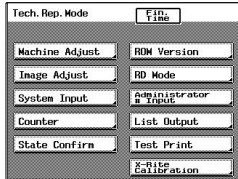


C4004U075CA



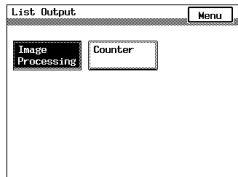
C4004P565CA

10. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)



C4004P597CA

11. Click [List Output].



C4004PU10CA

12. Click [Image Processing].

13. Click the [Start] key in the External Panel Controller. A list of image processing settings and the values of each counter are printed out on four sheets of A4(L)-size (or Letter(C)-size) plain paper.

14. Click [Menu], and then click [Fin. Time].

15. Check that the message displayed in the control panel changes from "Alert Printing suspended" to "Info".

16. Exit the External Panel Controller.

NOTE

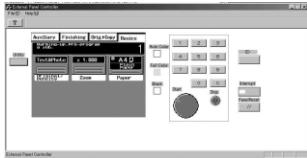
Before connecting or disconnecting the harnesses of the IR port cable, be sure to turn off the printer and the converter.

■ To set the “Energy Save Mode” parameter

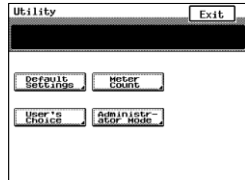
NOTE

When making settings according to the customer's requests, refer to the procedure described below.

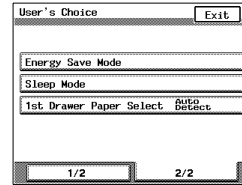
1. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)
2. Click [Utility].
3. Click [User's Choice].



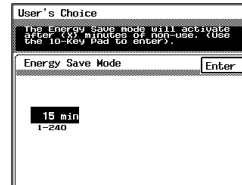
C4004P565CA



C4004P599CA



C4004P600CA



C4004P058CA

4. Click [Energy Save Mode.]

5. Using the keypad in the External Panel Controller, enter the desired number of minutes, and then click [Enter].

NOTE

Select the [C] (Clear) key to erase the entered number.

6. Click [Exit].
7. Click [Exit].
8. Check that the message displayed in the control panel changes from “Alert Printing suspended” to “Info”.
9. Exit the External Panel Controller.

NOTE

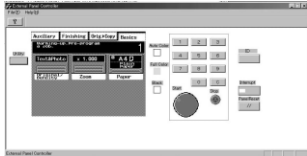
Before connecting or disconnecting the harnesses of the IR port cable, be sure to turn off the printer and the converter.

■ To set the “Sleep Mode” parameter

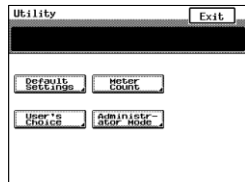
NOTE

When making settings according to the customer's requests, refer to the procedure described below.

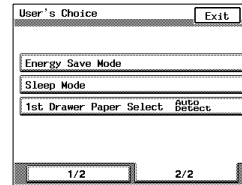
1. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)
2. Click [Utility].
3. Click [User's Choice].



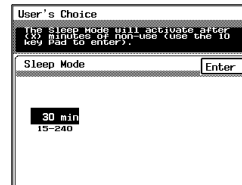
C4004P565CA



C4004P599CA



C4004P600CA



C4004P059CA

4. Click [Sleep Mode.]

5. Using the keypad in the External Panel Controller, enter the desired number of minutes, and then click [Enter].

NOTE

Select the [C] (Clear) key to erase the entered number.

6. Click [Exit].
7. Click [Exit].
8. Check that the message displayed in the control panel changes from “Alert Printing suspended” to “Info”.
9. Exit the External Panel Controller.

NOTE

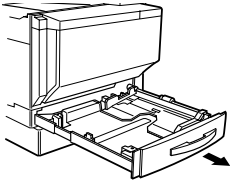
Before connecting or disconnecting the harnesses of the IR port cable, be sure to turn off the printer and the converter.

9. Loading Paper

NOTE

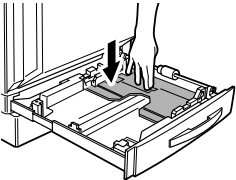
For more details about loading paper, refer to the User Manual.

■ Tray 1



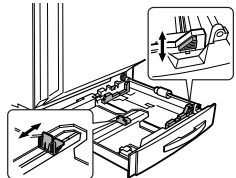
C4004U071AA

1. Prepare paper that meets this product's specifications.
2. Pull out the paper drawer for Tray 1.



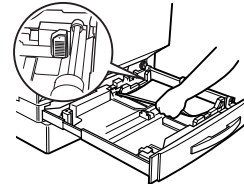
C4004U072AA

3. Press down on the paper-lifting plate until it locks into place.



C4004U073AA

4. Slide the adjustable paper guides to fit the size of paper to be loaded.

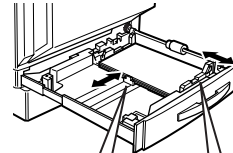


C4004U074AA

5. Load the paper into the drawer so that the front side of the paper (the side facing up when the package was unwrapped) faces up.

NOTE

- Do not load so much paper that the top of the stack is higher than the mark indicating the maximum paper capacity.
- Be careful not to touch the surface of the paper take-up roller with your hands. If the roller has been touched, wipe it with a dry cloth.



C4004U170AA

6. Slide the adjustable paper guides against the edges of the paper.

NOTE

Check that the adjustable paper guides are pushed up against the edges of the paper.

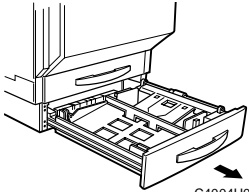


7. Close the paper drawer.
8. Turn the media type selection dial on the drawer to the setting for the type of paper loaded.
9. From the control panel, select the size of the paper loaded into Tray 1.

NOTE

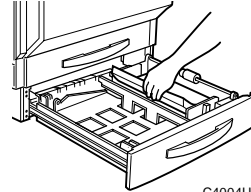
For details on specifying settings, refer to the User Manual.

■ Tray 2



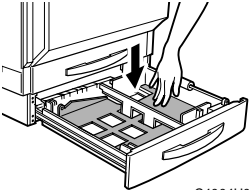
C4004U076AA

1. Prepare paper that meets this product's specifications.
2. Pull out the paper drawer for Tray 2.



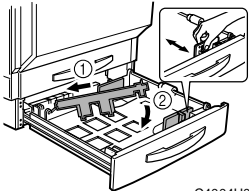
C4004U079AA

3. Press down on the paper-lifting plate until it locks into place.



C4004U077AA

4. Slide the adjustable paper guides to fit the size of paper to be loaded.



C4004U078AA

5. Load the paper into the drawer so that the front side of the paper (the side facing up when the package was unwrapped) faces up.

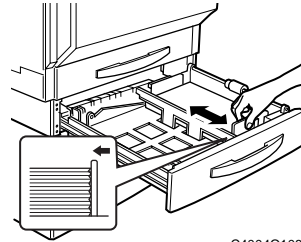
NOTE

- Do not load so much paper that the top of the stack is higher than the mark indicating the maximum paper capacity.
- Be careful not to touch the surface of the paper take-up roller with your hands. If the roller has been touched, wipe it with a dry cloth.

6. Slide the lateral guides against the edges of the paper.

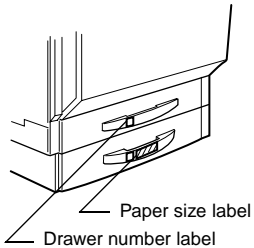
NOTE

- Check that the lateral guides are pushed up against the edges of the paper.



C4004O108AA

7. Close the paper drawer.



C4004U141AA

8. Affix the enclosed paper size label to Tray 2 as shown.
9. Affix the enclosed drawer number label as shown.

10. Adjusting the Options

NOTE

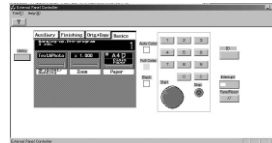
- *With the CF2001P, the adjustments of each option are performed with the servicing equipment. Therefore, start up the External Panel Controller, and make the adjustments with the appropriate setting.*
- *After adjusting the options, restart the printer.*

■ Checking the Paper Reference Position for PF-118

NOTE

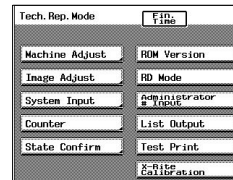
- *For details on the installing PF-118, refer to its Setup Instructions.*
- *To adjust PF-118, follow the instructions below.*
- *To exit the External Panel Controller, refer to step 14 on page 24.*

1. Load A4-size (or Letter-size) paper into the paper drawer of the optional paper feed unit.
2. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)

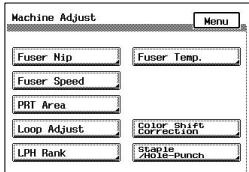


C4004P565CA

3. Click [Machine Adjust].

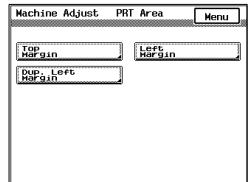


C4004P597CA



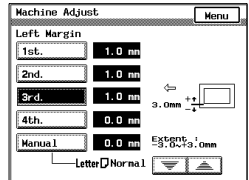
C4004P588CA

4. Click [PRT Area].



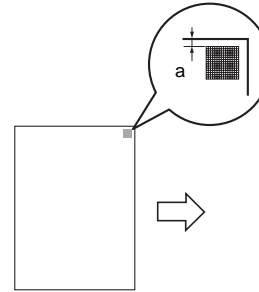
C4658P003CA

5. Click [Left Margin].



C4658P005CA

6. Select the key for the paper drawer that is to be adjusted, and then click the Start key in the External Panel Controller.
A test page is printed.



C4658U028AA

7. Measure margin a from the edge of the paper to the pattern printed in the test page, and then check that the width of the measured margin meets its standard width.

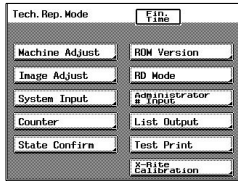
Standard width of the margin (a):
3.0 mm ± 1.0 mm (with Fiery X3e installed)
5.0 mm ± 1.0 mm (with MicroPress PrintLink 2020m installed)

If the width of the measured margin does not meet its standard width, follow the procedure in the next section, "Adjusting the Paper Reference Position for PF-118", to adjust it.

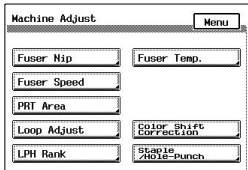
■ Adjusting the Paper Reference Position for PF-118



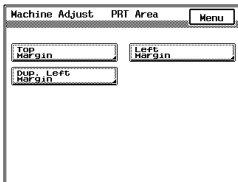
C4004P565CA



C4004P597CA



C4004P588CA



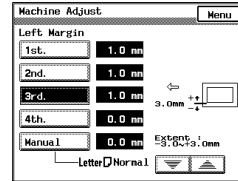
C4658P003CA

1. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)

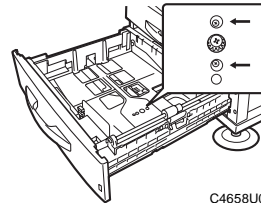
2. Click [Machine Adjust].

3. Click [PRT Area].

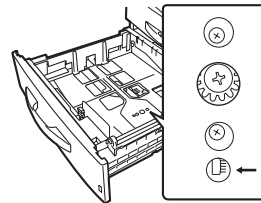
4. Click [Left Margin].



C4658O005CA



C4658U024AA



C4658U025AA

5. Select the paper drawer that you wish to adjust, and then click the up and down arrows in the lower-right corner of the screen to enter the difference between the measured width and the standard width.

6. Print a test page and check the paper reference position. If the width of the measure margin does not meet its standard width, follow the instructions described below.

7. Open the paper drawer for the cassette that needs to be adjusted, and then remove all of the paper.

8. Loosen the two screws on the guide plate at the bottom of the paper drawer.

9. Adjust the guide plate to the appropriate position on the scale inside the paper drawer.

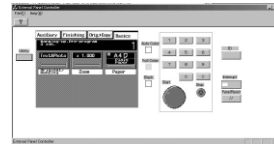
10. Check that the message displayed in the control panel changes from "Alert Printing suspended" to "Info".
11. Exit the External Panel Controller.

■ Checking and Adjusting the Paper Reference Position for PF-117

NOTE

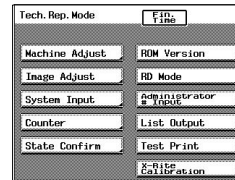
- For details on the installing PF-117, refer to its Setup Instructions.
- To adjust PF-117, follow the instructions below.
- To exit the External Panel Controller, refer to step 14 on page 24.

1. Load A4-size (or Letter-size) paper into the paper drawer of the large-capacity cabinet.
2. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)



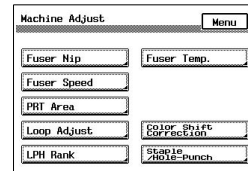
C4004P565CA

3. Click [Machine Adjust].

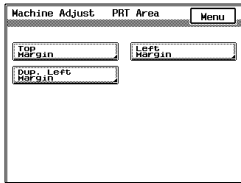


C4004P597CA

4. Click [PRT Area].

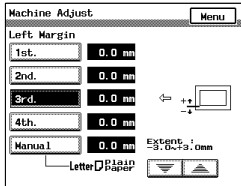


C4004P588CA



C4658P003CA

- Click [Left Margin].



C4659P002CB

- Select the key for the third paper drawer, and then click the Start key in the External Panel Controller.

- Measure the margin from the edge of the paper to the pattern printed in the top-right corner of the test page.

Standard width (a):

- 3.0 mm \pm 1.0 mm (with Fiery X3e installed)
- 5.0 mm \pm 1.0 mm (with MicroPress PrintLink 2020m installed)

Click the up and down arrows in the lower-right corner of the screen to enter the difference (in millimeters) between the measured width and the standard width.

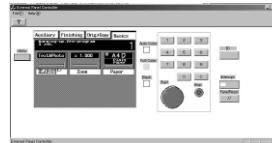
- Print another test page and check the paper reference position.

■ Checking and Adjusting the Paper Reference Position for AD-14

NOTE

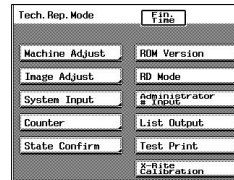
- Perform the procedure below after adjusting the paper reference positions for the paper feed unit and the large-capacity cabinet.
- For details on the installing AD-14, refer to its Setup Instructions.
- To adjust AD-14, follow the instructions below.
- To exit the External Panel Controller, refer to step 14 on page 24.

- Load A4-size (or Letter size) paper into the paper drawer of the Tray1.
- Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)



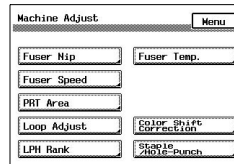
C4004P565CA

- Click [Machine Adjust].

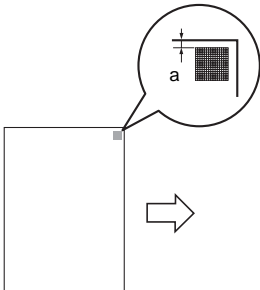


C4004P597CA

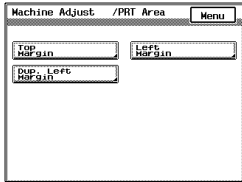
- Click [PRT Area].



C4004P588CA

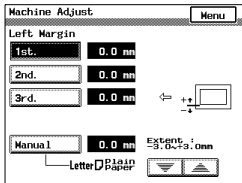


C4658U028AA



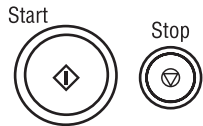
C4657P001CA

5. Click [Dup. Left Margin].



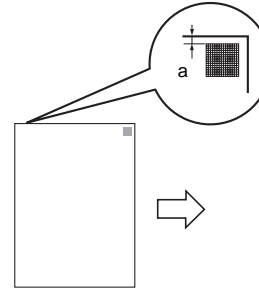
C4659P002CA

6. Click [1st.].



C4004U596CA

7. Click the Start key in the External Panel Controller.
A test page is printed.



C4657U014AA

8. Measure the width of loss for the test pattern printed on the back of the test page.

NOTE

Do not measure from the back of the test pattern.

Standard width (a):

3.0 mm ± 1.0 mm (with Fiery X3e installed)

5.0 mm ± 1.0 mm (with MicroPress PrintLink 2020m installed)

If the measured width of loss does not meet its standard width, click and in the lower-right corner of the screen to adjust the width. Print another test page and check the printed image.

9. Adjust the paper reference positions for the 2nd, 3rd and 4th drawers in the same way (by repeating steps 6 through 8).

NOTE

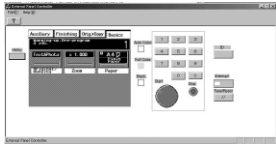
The 4th drawer is only available if two optional paper feed units are installed.

■ Checking the Hole-Punching Positions for FN-107

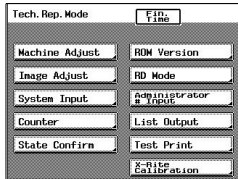
NOTE

- For details on the installing FN-107, refer to its Setup Instructions.
- To adjust FN-107, follow the instructions below.
- To exit the External Panel Controller, refer to step 14 on page 24.

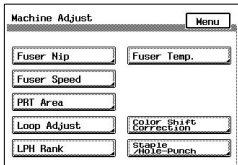
1. Unplug the power cord, and then turn off the printer.
2. Load A4-size (or Letter-size) paper (in landscape orientation) into Tray 1.
3. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)



C4004P565CA

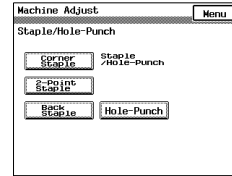


C4004P597CA

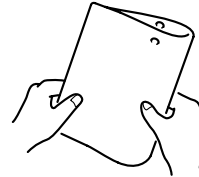


C4004P588CA

4. Click [Machine Adjust].
5. Click [Staple/Hole-Punch].



C4683P005CA



4643U031AA

6. Click [Hole-Punch].

7. Click the Start key in the External Panel Controller.

8. Fold the paper that is fed out in half, and check that the punched holes are aligned.

Standard position: $\pm 2\text{mm}$

NOTE

If the punched holes are not at their standard positions, adjust the hole-punching position.

■ Setting DT-105 (USA and Canada only)

NOTE

- For details on installing DT-105, refer to the Setup Instructions included with it.
- To set the DT-105, follow the instructions below.
- To exit the External Panel Controller, refer to step 14 on page 24.

<Connecting the Telephone Cables>

- Connect the telephone cable to the jack marked "LINE" on the data terminal.

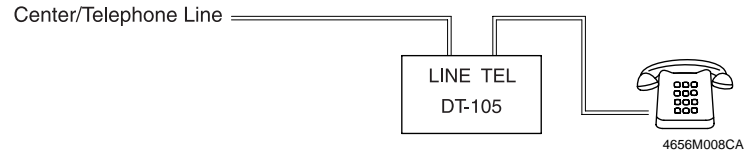
NOTE

If the telephone cable is too short, obtain a different cable with modular plugs.

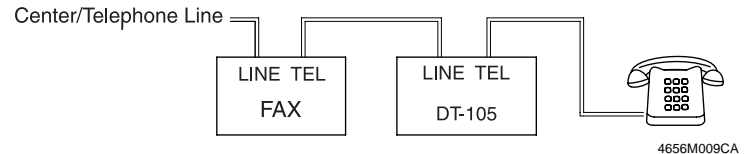
- Connection examples
<When the telephone line is only for the data terminal>



<When the telephone line is for a phone and the data terminal>



<When the telephone line is only for a fax, phone and data terminal>



NOTE

For details on connecting the fax, refer to the manual for the fax machine.

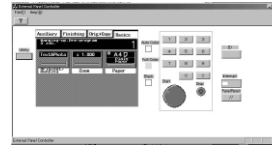
<Precautions for Connecting a Telephone to the Data Terminal>

- If a telephone is connected to the data terminal, check that the telephone complies with FCC part 68.
- If a telephone which does not comply with FCC part 68 is used, the telephone connection may be cut when data terminal transmission begins.

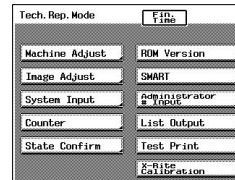
<Data terminal specifications>

Product name:	DT-105 (Data Terminal)
Transmission speed:	2,400 bps (max)
Telephone line:	General public telephone line; analog dual-line
Power requirements:	DC5.2V (supplied via the AC adaptor)
Current consumption:	600 mA
DC resistance:	149Ω

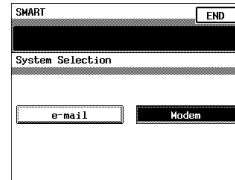
<Modem Settings>



C4004P565CA

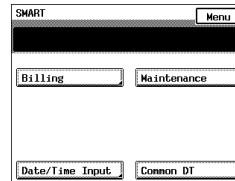


C4004P566CA



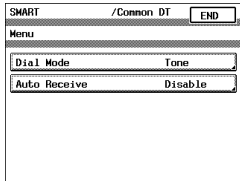
C4656P002CA

<Transmission Settings>

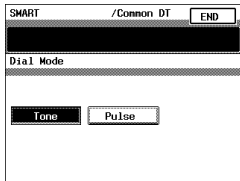


C4656P003CA

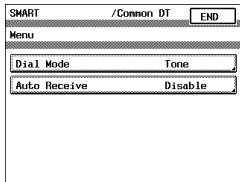
1. Plug in the AC plug for the data terminal, and then turn it on.
 2. Check that the External Panel Controller appears in the computer screen, and then display the Tech. Rep. Mode screen. (For details about displaying the Tech. Rep. Mode screen, refer to the Service Manual.)
 3. Click [SMART].
 4. Click [Modem].
 5. Click [END].
-
1. Click [Common DT].



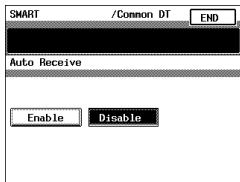
C4656P004CA



C4656P005CA



C4656P004CA



C4656P006CA

2. Click [Dial Mode].

3. Select the dial mode of the user's telephone line.

Push-button..... [Tone]
 Rotary..... [Pulse]

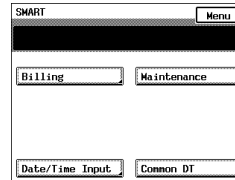
4. Click [END].

5. Click [Auto Receive].

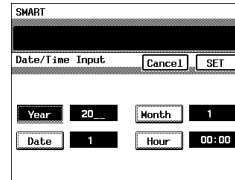
6. Click [Disable].

7. Click [END] twice.

<Date/Time Settings>



C4656P003CA



C4656P007CA

1. Click [Date/Time Input].

2. Click [Year], click the Clear key in the External Panel Controller, and then use the keypad in the External Panel Controller to enter the correct year.

3. Enter the correct settings for [Month], [Date], and [Hour].

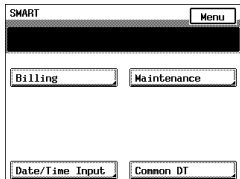
4. Click [SET].

<Maintenance Center (Billing Center) Settings>

NOTE

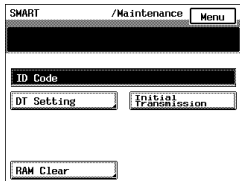
The procedure for making Maintenance Center settings are described below. If Billing Center settings are necessary, specify them using the same procedure after entering the Maintenance Center settings.

<Clearing the Maintenance RAM>



C4656P003CA

1. Click [Maintenance].
(For the Billing Center, click [Billing].)

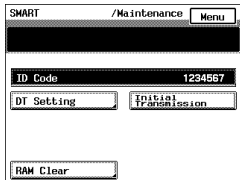


C4656P008CA

2. Click [ID Code] so that it appears in white on a black background.

NOTE

For the Billing Center, there is no need to enter an ID code.

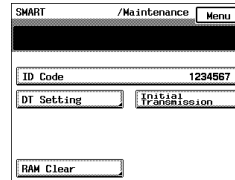


C4656P009CA

3. Using the keypad in the External Panel Controller, enter the 7-digit ID code.

NOTE

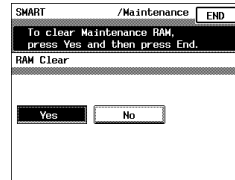
Enter the service representative's ID code.



C4656P010CA

4. Click [ID Code] again so that it appears in black on a white background.

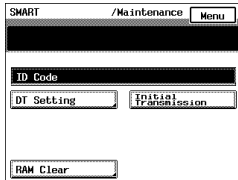
5. Click [RAM Clear].



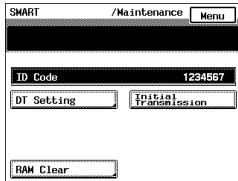
C4656P011CA

6. Click [Yes].
7. Click [END].

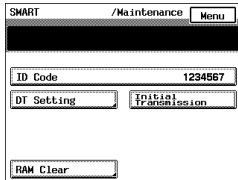
<DT Settings>



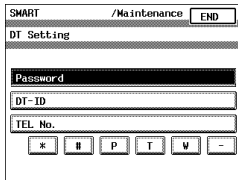
C4656P008CA



C4656P009CA



C4656P010CA



C4656P012CA

1. Click [ID Code] so that it appears in white on a black background.

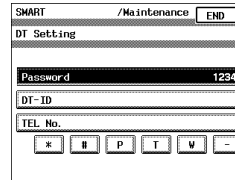
2. Using the keypad in the External Panel Controller, enter the 7-digit ID code.

NOTE

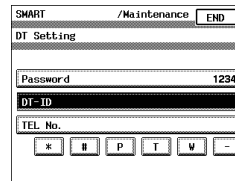
Enter the service representative's ID code.

3. Click [ID Code] again so that it appears in black on a white background.
4. Click [DT Setting].

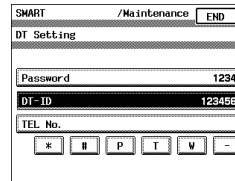
5. Click [Password] so that it appears in white on a black background.



C4656P013CA



C4656P014CA



C4656P015CA

6. Using the keypad in the External Panel Controller, enter the 4-digit Center ID.

Password: Center ID code; identification number of the Center that the data terminal connects to

7. Click [DT-ID] so that it appears in white on a black background.

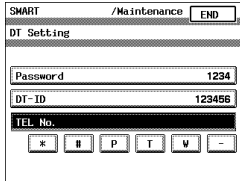
8. Using the keypad in the External Panel Controller, enter the 6-digit data terminal ID.

NOTE

If the number is not 6-digits long, add "0" at the beginning.

DT-ID: Data terminal ID code; the number of the data terminal

<Setting the Telephone Number>



C4656P016CA

1. Click [TEL No.] so that it appears in white on a black background.
2. Click the Clear key in the External Panel Controller.
3. Using the keypad in the External Panel Controller, enter the 19-digit telephone number for the Center.

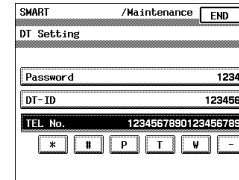
NOTE

1. Check the screen in the in the External Panel Controller and make sure to enter the data correctly. If an incorrect number is entered, click the Clear key in the External Panel Controller, and then re-enter the data.
2. If the data terminal is connected to an internal switchboard, the time required to access the outside line varies depending on the type of system used. Therefore, enter pause (–) or wait (W) codes for the time required to access the outside line.
 - If the access time is 3 seconds or more, enter wait codes by selecting the Energy Saver key.
 - If the access time is less than 3 seconds, enter pause codes by selecting the Interrupt key.

3. If the data terminal is connected to an internal switchboard where the internal and outside lines are of different systems, enter a pulse code (P) for a rotary line or enter a tone code (T) for a push-button line.

Key	Function	Display
–	Pause	–
W	Wait	W
P	Pulse	P
T	Tone	T
#	Extension key (sharp)	#
*	Extension key (asterisk)	*

4. After the telephone number has been entered, call the Center to inform them of the entered settings.



C4656P017CA

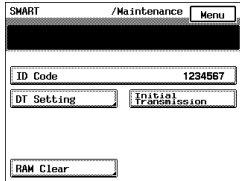
4. Click [END].

<Initial Transmission>

- To perform the initial user registration for the data terminal after the initial settings have been specified, connect to the Center so the initial information can be sent to the data terminal.

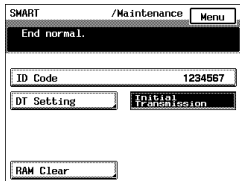
NOTE

Call the Center by telephone before and after the initial transmission for verification. In addition, after the transmission, check that the data (total counters, etc.) has been sent correctly to the Center.



C4656P010CA

1. Click [Initial Transmission].



C4656P018CA

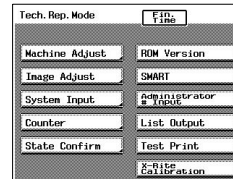
2. After the initial transmission is completed, check that "End normal." appears on the screen.

Panel Reset



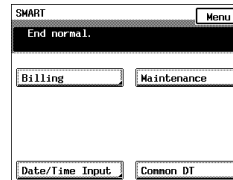
4002U103EA

3. Click the Panel Reset key in the External Panel Controller.



C4004P566CA

4. Click [Fin. Time].



C4656P019CA

NOTE

This completes input of the Maintenance Center settings. If the Billing Center settings must be specified, perform it in the same way.

Messages	
Line is busy.	Not answering.
Max. trial number reached.	The other line is busy.
Connection failed.	DT modem error.
Connected.	Dialing.
End normal.	DT Connection failed.